Message from the President

Fostering engineers for the next generation who will work globally as well as locally to make society and the world sustainable.

The National Institute of Technology (KOSEN), Fukushima College (Fukushima KOSEN) was founded in April 1962 as one of the first institutes of technology in Japan. In 1994, the business program was added in order to extend the scope of Kosen's educational curriculum.

In addition, the Advanced Course was established in April 2004. The educational doctrine of Fukushima KOSEN is as follows:

- Cultivating students with broad and deep humanity
- Raising fundamental scientific knowledge, creativity and practical capacity
- Developing the students' talents, expanding their global horizons, and raising their communication abilities

Based on this doctrine, we are making great strides to enhance the academic and research levels of Fukushima KOSEN. Fostering engineers for the next generation, who can develop a sustainable society and play an active role in the local community as global citizens, is the mission that guides all activities at Fukushima KOSEN. We believe that these efforts can contribute to the development of Iwaki. Fukushima, and Japan.

President Osamu Yamash

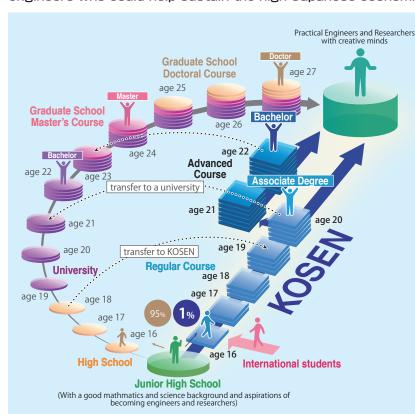


"KOSEN"System

The "Kosen" system is a five-year program that combines three years of high school and two years of an undergraduate university degree program.

At the end of the five years, students can continue at Kosen for another two years and finish their university degree; transfer to another university for the final two years of their degree; or enter the workforce.

Kosen was established in 1961 in response to a strong demand from the industrial sector to foster engineers who could help sustain the high Japanese economic growth which was occurring at the time.



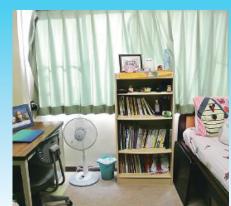
Characteristics of "KOSEN" Education

- We follow a curriculum centered on liberal arts and professional studies
- We have a highly qualified academic staff (more than 80% of specialized subject lecturers have doctoral degree)
- We provide experimental and practical training, internships and coop education
- We offer international exchange opportunities
- We offer student dormitories and extracurricular activities
- We hold Robot, Programming, Design and Speech contests
- We organize an annual all-KOSEN Athletics Competition
- We help students to find various career paths
- We produce engineers with extensive practical creativity

Dormitory

Events

- Welcome party
- Evacuation drill
- Lunch party etc.

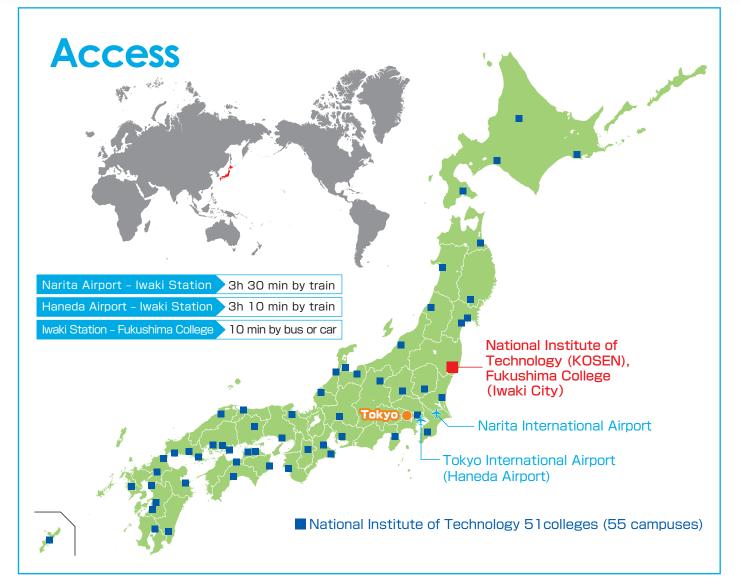












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National Institute of Technology (KOSEN),

Fukushima College /



General Education

The General Education Course helps students to acquire the fundamental knowledge and skills they need to become well-qualified in their specialized

- Basic mathematics
- Linear algebra
- Differential and integral calculus
- Physics
- Chemistry
- English
- Japanese
- Humanities and social sciences
- Physical education
- Fine arts







Mechanical System Engineering

Applied Chemistry and Biochemistry

Electrical and Electronic

ystem Engineering

- Mechanical design
- Mechanism
- Mechanical dynamics Strength materials

Electric circuits

Electromagnetics

Power electronics

Physical chemistry

Organic chemistry

Inorganic chemistry

Biochemistry

Hydraulics

Analytical chemistry

■ Chemical engineering

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Construction materials

Environmental science

Method of construction

Regional planning

Geotechnical engineering

Electric and electronic

Electrical communications

Hvdraulics

- Fundamental manufacturing practice
- Manufacturing practice
- Creative manufacturing practice

Information engineering

Experiments on electric

Creative manufacturing

Experiment of material

Experiment of material

Structural mechanics

in civil engineering

Survey training

engineering

Design exercises for civil

Experiments and exercises

engineering

Experiment of

biotechnology

chemistry

and electronic engineering

engineering Experiments of production and information system engineering

Engineering

Production and

Applied mechatronics

Information System

Applied electronically control

Energy System

- engineering

- Development and application of expanded MCI
- Robotics for nuclear decommission
- ■Analysis of the squeaking sand in Iwaki seashore based on image processing
- Analysis of X-ray CT images for chest disease

Engineering

- Renewable power generation
- Power delivery system engineering
- Experiments of energy system

Research projects

Research projects

Advanced Course

Industrial Technology System Engineering

- battery use of the real scale smart-grid experimer
- Study of solar tracking photovoltaic power
- Study on contact-free type high efficiency disl drive by using diamagnetic graphite

Chemistry and Bioengineering

- Physical chemistry for industrial processing
- Applied material chemistry ■Practical organic chemistry
- Biomolecular functional engineering
- Advanced engineering experiments in chemistry and biochemistry

esearch projects

- ent technology related to che

Social Environmental System Engineering

- Analysis of structures
- Disaster prevention engineering
- Environmental preservation engineering
- Infrastructure maintenance engineering
- Advanced engineering experiments

Research projects

- emperature characteristic of concrete



Business Communication

Civil and Environmental

- Basic programming Business English practice Linear algebra
- Financial accounting
- Intercultural communication International management
- International economics

Business Communicology

Business practice

- Exercise for system design
- Financial statements analysis
- Foundation of database systems
- Global management Industrial economics
- ■New business development

-Advanced-Course

- Case study of sake tourism in Fukushima
- Development of IoT safety confirmation syst
- Comparative awareness survey of nuclea

Overseas students

Interview to our overseas students

Briefly describe your life at NIT Fukushima(Fukushima Kosen)



Two years ago, I came to Fukushima. Now, I'm a fifth-grade student in the Civil Engineering Department at Fukushima Kosen. Life at Kosen is very interesting, and I am studying a lot of different things here. I have a lot of support from the teachers and tutors, and my Japanese friends.

I am from Indonesia, and now I am in the third year of Mechanical System Engineering Department in Fukushima Kosen, And here, to be able to learn a lot of different things and actually live the life of the Japanese student generally has been really fun for me. I got a lot of support in what I am doing and what I am going to do from my tutors, teachers and my Japanese friends. They are so kind and friendly in teaching me and telling me things even sometimes there are language barriers. Living has been so convenient that I can take my mind off of it and just focus on my study here.



I am a 4th year student of Mechanical System Engineering Department. As a foreign student, life in a foreign country is always interesting as you are meeting new people and experiencing new things everyday. The food in Japan is especially exciting for me.

2 What was the most impressive experience you had in Japan?



In August, I went to a fireworks festival with my senpai. The fireworks matched the rhythm of the music. It was awesome! I got to wear a beautiful yukata for the first time during the festival. That had been my favorite experience during my time in Japan.



I've been in Japan for a year so I guess I've been experiencing quite a lot. But the best is just the summer festival, the stall food is delicious, and 'the Bon Odori' is so fun. I've been only able to see those things on tv but now to be able to experienced it directly is just amazing



One of the notable moments of my stay here in Japan has been the discovery of Japanese food. Before I came to Japan I hadn't been aware of anything other than ramen and sushi. It was a pleasant surprise to discover how healthy and tasty can describe

Do you have any messages for the incoming overseas students?



Fukushima Kosen's teachers and students are very polite. They always help you. If you try it for yourself, you can gain a lot of knowledge at Fukushima Kosen.

When you are here in Fukushima Kosen, try to find something



to do. It will make a good experience. I guess study is a main purpose here, but it will be a waste not to enjoy living here. So try to find your things to do here and make a good



If you are looking to study internationally, I would say good luck to you. As it can be a hard but rewarding challenge



Visiting overseas students

Collaborative research projects between the exchange students and Kosen students

Projects

- Micro structural aspects of damage in cured cementitious materials induced by exposure to elevated temperature
- ■A non-tumbling robot by using a differential gear
- Robots ■The market of the manga in

France and in Japan

■ Development of Cooperation

■ Sightseeing spots in Iwaki City & Fukushima



IUT (3 students) TUAS (2 students)

IUT (1 student)

Due to COVID-19, the acceptance of students from IUT (4 students) and TUAS (1 student) was cancelled.



